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|-------------|-----------------------------------|--|-------------------|
| CNST | Constants MENU (ASM) - cat : CNST | Important scientific and technical constant values | Category: Catalog |
|-------------|-----------------------------------|--|-------------------|

line scrolling indicator : $\wedge \vee$

| Menu | CNST | 1 | 2 | 3 | 4 | 5 | 6 |
|------|----------|-------------------|-----------|-----------|-----------|------------|-----------|
| 3 | gShifted | m_u | $m_u c^2$ | m_μ | M_\odot | M_\oplus | N_A |
| 2 | fShifted | M_{Moon} | m_n | m_n/m_p | m_p | m_{pL} | m_p/m_e |
| 1 | primary | h | \hbar | k | K_J | l_{pL} | m_e |
| Page | 2 | F1 | F2 | F3 | F4 | F5 | F6 |

Info Constants preceded by "# " in programs ; Type characters 1-2 to search ; T1 (temporary info) is shown in extended description

| CNST | Page 2 | F-key | Button label | Full name | Extended description | Type | Flag name | Additional information | Catalog | Default | Status |
|------|--------|-------|----------------------------|-------------------------|--|----------------|-----------|------------------------|---------|---------|--------|
| F1 | | | h | Planck constant | c.planck $h = +6.62607015 \times 10^{-34}$ | Constant (#18) | | Unit : Js | | | |
| F2 | | | ħ | Reduced Planck constant | red.planck $\hbar = +1.0545718176461500000000000000302281 \times 10^{-34}$ | Constant (#19) | | Unit : Js | | | |
| F3 | | | k | Boltzmann constant | c.boltzmn $k = +1.380649 \times 10^{-23}$ | Constant (#20) | | Unit : J/K | | | |
| F4 | | | K_J | Josephson constant | c.josephsn $K_J = +4.835978484169830000000000000545281 \times 10^{14}$ | Constant (#21) | | Unit : Hz/V | | | |
| F5 | | | l_{pL} | Planck length | len.planck $l_{pL} = +1.616255 \times 10^{-35}$ | Constant (#22) | | Unit : m | | | |
| F6 | | | m_e | Electron rest mass | mass.elec $m_e = +9.1093837015 \times 10^{-31}$ | Constant (#23) | | Unit : kg | | | |

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| fShifted F1 | | | M_{Moon} | Mass of the Moon | mass.moon $M_{\text{Moon}} = +7.349 \times 10^{22}$ | Constant (#24) | | Unit : kg | | | |
| fShifted F2 | | | m_n | Neutron rest mass | mass.neu $m_n = +1.67492749804 \times 10^{-27}$ | Constant (#25) | | Unit : kg | | | |
| fShifted F3 | | | m_n/m_p | Neutron / proton rest mass | r.neu.prot $m_n/m_p = +1.00137841898$ | Constant (#26) | | | | | |
| fShifted F4 | | | m_p | Proton rest mass | mass.prot $m_p = +1.67262192369 \times 10^{-27}$ | Constant (#27) | | Unit : kg | | | |
| fShifted F5 | | | m_{pL} | Planck mass | mass.planck $m_{pL} = +2.176435 \times 10^{-8}$ | Constant (#28) | | Unit : kg | | | |
| fShifted F6 | | | m_p/m_e | Proton / electron rest mass | r.prot.elec $m_p/m_e = +1.83615267343 \times 10^3$ | Constant (#29) | | | | | |

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|-------------|--|--|------------------------------|----------------------------|---|----------------|--|-------------|--|--|--|
| gShifted F1 | | | m_u | Atomic mass constant | mass.atom $m_u = +1.6605390666 \times 10^{-27}$ | Constant (#30) | | Unit : kg | | | |
| gShifted F2 | | | $m_u c^2$ | Energy equivalent of m_u | energy.atom $m_u c^2 = +1.4924180856 \times 10^{-10}$ | Constant (#31) | | Unit : J | | | |
| gShifted F3 | | | m_μ | Muon rest mass | mass.muon $m_\mu = +1.883531627 \times 10^{-28}$ | Constant (#32) | | Unit : kg | | | |
| gShifted F4 | | | M_\odot | Mass of the Sun | mass.sun $M_\odot = +1.9891 \times 10^{30}$ | Constant (#33) | | Unit : kg | | | |
| gShifted F5 | | | M_\oplus | Mass of the Earth | mass.earth $M_\oplus = +5.9736 \times 10^{24}$ | Constant (#34) | | Unit : kg | | | |
| gShifted F6 | | | N_A | Avogadro's number | nr.avogadro $N_A = +6.02214076 \times 10^{23}$ | Constant (#35) | | Unit : /mol | | | |